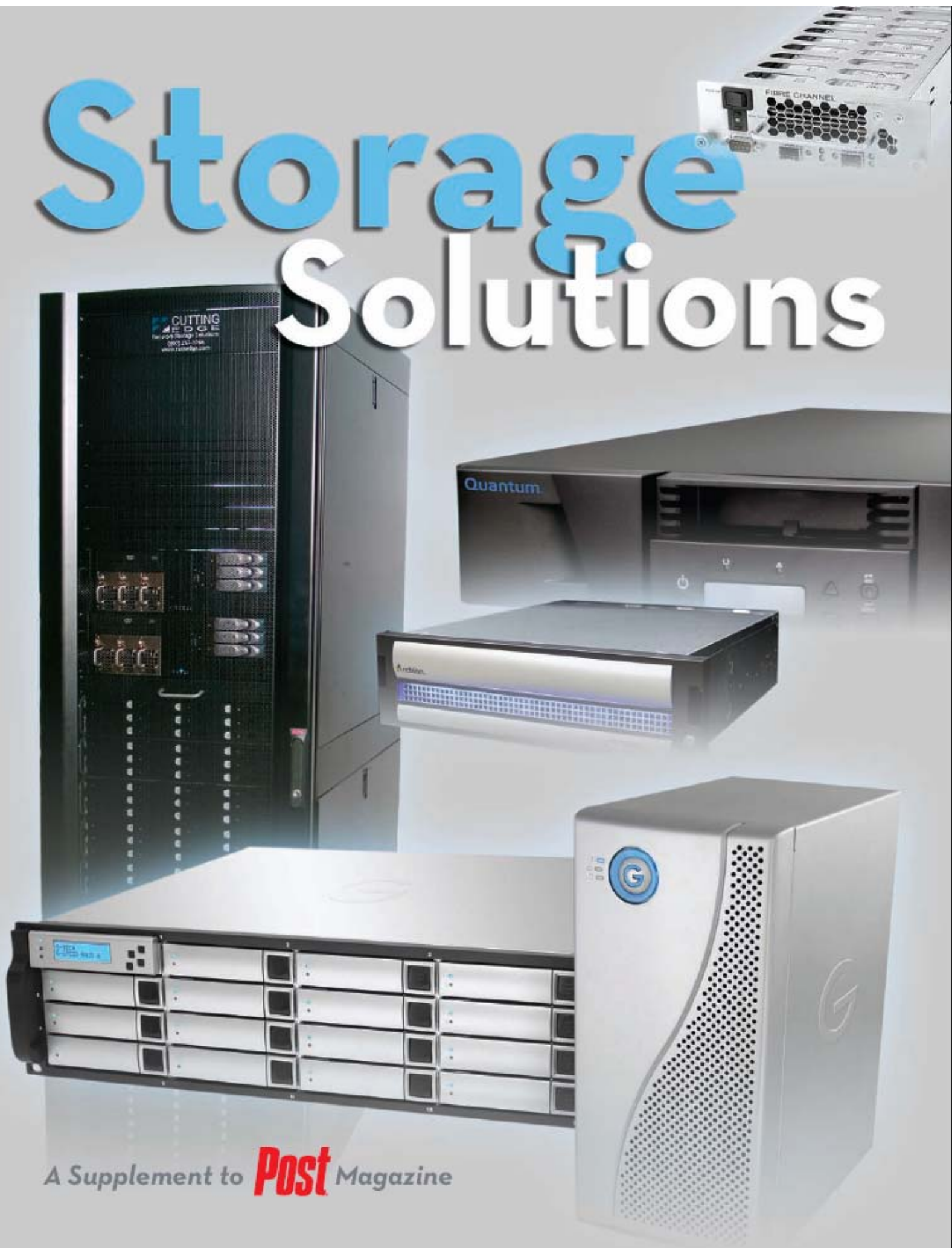


Storage Solutions



A Supplement to **Post** Magazine

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CalDigit's FireWire VR

RAID and DiMedia NAS RAID support the post industry. RAID 3 and 6 are used to providing up to two drive failure reconstruction without data loss and little or no performance loss. The MediaVault supports 4Gb/s FC or Ultra 320 SCSI interfaces to the host device. It is designed to support desktop video creation, editing and transport.

Ciprico is promoting the use of physical distribution of RAID disk sets to move data between sites where networking is not effective. The MediaVault 4440 uses 40 drives in a single tower using four removable independent RAID 6 arrays, each having 10 drives, 2-4Gb/s FC ports and a selectable RAID 0/RAID 6 controller. These arrays, called vPODs, can be removed while "hot" from the MediaVault and can hold 1.6TB, which is equivalent to a reel of 4K film. 1.6TB vPODs sell for under \$7K and a fully populated MediaVault runs under \$30K.

With the introduction of its new line of RAIDCore SAS and SATA II host bus adapter products in the second quarter of '07, the company is exploring the use of eSATA for a new line of desktop HBA and external storage products that will be capable of supporting a sustained performance of 200- or 400MB/s or higher. At the higher end, the company is also exploring cost effective and highly secure ways to support higher resolution 4K video using interfaces such as PCI Express, Infiniband or high speed Fibre Channel implementations.

Comprehensive

The QuickCapture, QuickCapture A2D and QC-

DECKA2D family of products from Comprehensive Video Group (www.comprehensiveinc.com) are used in post production to save editors the time and expense of capturing video from tape to their nonlinear editors.

Cutting Edge

Cutting Edge Network Solutions (www.cuttedge.com) provides direct attached storage devices (DAS), network attached storage (NAS) products, as well as iSCSI SAN storage networks to content creators, CGI houses and small- to medium-sized post houses. Their storage solutions are built around the company's Cutting Edge Edgeware, a Linux-based 64-bit network storage operating system, built to manage high terabyte volumes while providing robust security, high availability and sustained data throughput for streaming and sustained read/write operations.

Both integrated and modular storage options are offered, including systems for use in the field. The RAIDStor direct attached storage products offer built-in performance analysis and management, and automatic transparent drive rebuild with global hot spares. The system can mix SATA and SAS disk drives for low cost and high performance storage tiering in the same system. RAIDStor

supports as many as 60 drives although it is being expanded to support up to 96. Using a dual-4X SAS host connection with dual controller redundancy provides 12GB/s throughput. RAID 6 protection, guarantees no loss of data with up to two simultaneous disk drive failures.

The Cutting Edge In-

tegrated Storage Solution (ISS) and Modular Storage Solution (MSS) series offer full stand-alone storage systems and modular built storage systems, respectively. The ISS product line can be configured from 1U to 12U with up to 54TBs of capacity and 2-20 Gig-E ports supporting data rates of up to 2GB/s over an IP network. The MSS line is available with a 4U 48-drive bay chassis. A 42U cabinet with 1 TB hard disk drives delivers a storage capacity of 384TBs. The system supports 4Gb FC ports for storage connectivity as well as dual 10 Gig-E or 20 Gig-E effective network, allowing up to 2GB/s data rates over Ethernet. The MSS product family is moving from 16 to 32 CPU cores and will soon support quad-CPU sockets.



DataDirect Networks

With 50 percent growth in '06 over '05 tied to performance clustered storage solutions, high performance NAS and near-line archive applications, including post and digital intermediates, DataDirect (www.datadirectnet.com) fills an important role. The S2A offers low latency application performance for realtime collaborative workflow and file sharing to deliver multi-stream support for SD, HD, 2K and 4K.

DataDirect provides S2A high performance solutions for DI, post, tapeless broadcast as well as VOD and streaming apps. These support 4Gb/s FC and/or InfiniBand (IB) SDR host interfaces. The high performance cluster storage solution (HPCSS) supports highly sustained multiple content read and write performance for all attached workstations and large block sizes up to 4MB.

An S2A high performance NAS solution (NASS) can provide NFS file serving supporting rendering, animation and secondary DI storage. The NASS can provide up to 4.8GB/s per cluster, up to 300MB/s per cluster node and 128TB single namespace with a maximum cluster size of 2PB and up to 16 cluster nodes.

The S2A active archive and nearline NAS solution supports an archive tier two data storage supporting secondary DI storage, digital asset management and backup and recovery as well as a prior state to long term archiving on tape. The



Ciprico's MediaVault 4440